IN THE CLAIMS

Please cancel claims 1-18 without prejudice or disclaimer.

Claims 1-18 (Canceled).

Please enter the following new claims:

19. (New) A wave power assembly comprising:

a hull;

a linear electric generator having a rotor and a stator, said rotor being connected to said hull, said stator being adapted to be anchored to a sea/lake bottom, the direction of motion of said rotor defining the longitudinal direction of said generator;

a plane perpendicular to the direction of motion defining a cross direction of said generator;

said rotor having rolling surfaces running in the longitudinal direction;

rolling elements bearing against said rolling surfaces, said rotor being mounted in the cross direction to said rolling elements; and

support means having support surfaces, said rolling elements being positioned between said rolling surfaces and said support surfaces, said rolling elements being positioned and configured to roll against said rolling surfaces of said rotor and said support surfaces of said support means.

20. (New) The wave power assembly according to claim 19, wherein said support means consists of said stator of said generator.

21. (New) The wave power assembly according to claim 19, wherein said stator is carried by a frame and said support means consists of said frame.

22. (New) The wave power assembly according to claim 19, wherein said rolling surfaces comprise rolling surfaces in at least three planes intersecting each other, the intersecting lines of which planes in cross-section form a polygon.

23. (New) The wave power assembly according to claim 20, wherein said rolling surfaces comprise rolling surfaces in at least three planes intersecting each other, the intersecting lines of which planes in cross-section form a polygon.

24. (New) The wave power assembly according to claim 21, wherein said rolling surfaces comprise rolling surfaces in at least three planes intersecting each other, the intersecting lines of which planes in cross-section form a polygon.

25. (New) The wave power assembly according to claim 19, wherein said rotor in cross-section is in the form of a polygon and at least one said rolling surface is arranged on each one of at least three of the polygon sides of the rotor.

26. (New) The wave power assembly according to claim 20, wherein said rotor in cross-section is in the form of a polygon and at least one said rolling surface is arranged on each one of at least three of the polygon sides of the rotor.

27. (New) The wave power assembly according to claim 21, wherein said rotor in cross-section is in the form of a polygon and at least one said rolling surface is arranged on each one of at least three of the polygon sides of the rotor.

28. (New) The wave power assembly according to claim 22, wherein said rotor in cross-section is in the form of a polygon and at least one said rolling surface is arranged on each one of at least three of the polygon sides of the rotor.

29. (New) The wave power assembly according to claim 25, wherin at least one said rolling surface is arranged on each one of said polygon sides of said rotor.

30. (New) The wave power assembly according to claim 19, wherein in at least one plane a plurality of said rolling elements are arranged, distributed in the longitudinal direction or the cross direction, or both.

31. (New) The wave power assembly according to claim 20, wherein in at least one plane a plurality of said rolling elements are arranged, distributed in the longitudinal direction or the cross direction, or both.

32. (New) The wave power assembly according to claim 21, wherein in at least one plane a plurality of said rolling elements are arranged, distributed in the longitudinal direction or the cross direction, or both.

33. (New) The wave power assembly according to claim 22, wherein in at least one plane a plurality of said rolling elements are arranged, distributed in the longitudinal direction or the cross direction, or both..

34. (New) The wave power assembly according to claim 25, wherein in at least one plane a plurality of said rolling elements are arranged, distributed in the longitudinal direction or the cross direction, or both..

35. (New) The wave power assembly according to claim 29, wherein in at least one plane a plurality of said rolling elements are arranged, distributed in the longitudinal direction or the cross direction, or both.

36. (New) The wave power assembly according to claim 19, wherein said rolling elements are made as rolls.

37. (New) The wave power assembly according to claim 20, wherein said rolling elements are made as rolls.

38. (New) The wave power assembly according to claim 21, wherein said rolling elements are made as rolls.

39. (New) The wave power assembly according to claim 22, wherein said rolling elements are made as rolls.

40. (New) The wave power assembly according to claim 25, wherein said rolling elements are made as rolls.

41. (New) The wave power assembly according to claim 29, wherein said rolling elements are made as rolls.

42. (New) The wave power assembly according to claim 30, wherein said rolling elements are made as rolls.

43. (New) The wave power assembly according to claim 36, wherein said rolling surfaces and/or said support surfaces are profiled and/or at least some one of said rolls has a profiled envelope surface.

44. (New) The wave power assembly according to claim 43, wherein said profiled envelope surface comprises profiling in the form of a regular pattern of valleys and ridges running in the cross direction, said profiling on each roll being provided with a profiled envelope surface which corresponds with the profiling of said rolling surfaces and said support surfaces.

45. (New) The wave power assembly according to claim 19, wherein at least some of said rolling elements are mechanically connected with each other.

46. (New) The wave power assembly according to claim 22, wherein at least some of said rolling elements are mechanically connected with each other.

47. (New) The wave power assembly according to claim 25, wherein at least some of said rolling elements are mechanically connected with each other.

48. (New) The wave power assembly according to claim 30, wherein at least some of said rolling elements are mechanically connected with each other.

49. (New) The wave power assembly according to claim 43, wherein at least some of said rolling elements are mechanically connected with each other.

50. (New) The wave power assembly according to claim 19, wherein at least the surfaces of said rotor facing said stator and/or the surfaces of said stator facing said rotor are provided with a surface layer of insulating material.

51. (New) The wave power assembly according to claim 50, wherein said insulating material is a plastic material.

52. (New) The wave power assembly according to claim 19, wherein at least some rolling elements are mechanically connected with each other.

53. (New) The wave power assembly according to claim 50, wherein said rotor is entirely encapsulated by said insulating material and/or said stator is entirely encapsulated by said insulating material.

54. (New) The wave power assembly according to claim 50, wherein said rotor is arranged to slide against said stator with said surface layer as a sliding surface.

55. (New) The wave power assembly according to claim 53, wherein said rotor is arranged to slide against said stator with said surface layer as a sliding surface.

56. (New) The wave power assembly according to claim 54, wherein said sliding surface provides a bearing mounting of said rotor in the cross direction, no said rolling elements are arranged for bearing mounting in the cross direction.

57. (New) The wave power assembly according to claim 55, wherein said sliding surface provides a bearing mounting of said rotor in the cross direction, no said rolling elements are arranged for bearing mounting in the cross direction.

58. (New) A wave power plant comprising a plurality of said wave power assemblies according to claim 19.

59. (New) The use of a wave power assembly according to claim 19 to generate electric energy.

60. (New) A method to generate electric energy by means of at least one wave power assembly according to claim 19.